MEMPHIS SHELBY COUNTY HEALTH DEPARTMENT AIR POLLUTION CONTROL SECTION (MSCHD-APC)

NOT TO BE USED FOR TITLE V APPLICATIONS



814 Jefferson Ave Memphis, TN 38105 Telephone: (901) 544-7775 FAX: (901) 544-7310

MSCHD RECEIPT DATE

OVEN SOURCE DESCRIPTION

| PLEASE TYPE OR PRINT AND SUBMIT IN DUPLICATE FOR EACH OVEN. ATTACH TO THE PERMIT APPLICATION. | | | | | | | | | | | | | | | | |
|---|--|----------------|------------------|--------------------|-------------|-------------|------------|---------------------------------------|-------------------|--|-----------------|--------------------------------------|---|-------------------------------|--------------------------|--|
| 1. ORGANIZATION'S LEGAL NAME | | | | | | | | | | MSCHD-APC FACILITY ID.: | | | | | | |
| | | | | | | | | | | | | | | | | |
| 2. | EMISSION SO | URCE NUM | BER: | | | | SIC CODE: | | - | MSCHD-APC PERMIT ID.: | | | | | | |
| | | | | Sic | | | | | | The state of the s | | | | | | |
| 2 | SOUDCE | JRCE LATITUDE: | | | I ONG | | LONGITUDE: | | | UTM VERTICAL: | | | 1 | UTM HORIZONTAL: | | |
| 3. | SOURCE LATITUDE: | | | | | LONGI | | | OTWI VERT | | EKTICIL. | ICAL. | | UTM HORIZONTAL. | | |
| 4. | TYPE OF PRO | OCESS PA | INT BAKE (| (|) ANNEA | | | ING () | G () OTHI | | | ER (SPECIFY) () | | | | |
| 5. | TYPE OF OPERATION | СО | NTINUOUS (| () BA' | | | BATC | H NORMA | H NORMAL BATCH TI | | | | IAL BATCHES/DAY: | | | |
| 6. | NORMAL OPERATION | НО | URS/DAY: | | DAYS/WEI | | VEEK | : | | WEEKS/YEAR: | | DA | | DA` | DAYS/YEAR: | |
| 7. | MAXIMUM OPERATION | НО | URS/DAY: | | | DAYS/WEE | | <u>(</u> : | WEE | | KS/YEAR: | | DAYS/YEAR: | | YS/YEAR: | |
| 8. | PERCENT AND THROUGHPU | | DECFEB.: | | | MARCH-M | | Y: | JUNE- | | .UG.: | | | SEI | PTNOV.: | |
| 9. | 9. OVEN MANUFACTURER: | | | 1 | | | | MODEL NUMBER | | R: SERIAL NU | | JMB | IBER: D | | DATE INSTALLED: | |
| | | | | | | | | | | | | | | | | |
| 10. | DESCRIBE AF | RTICLES PR | OCESSED: | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | |
| IF | OVEN IS DADT | OF A DAIN | r wadnich | I OD | LACOU | TD ODE | DAT | ION OD DAD | TO | E A DD | OCESS EM | TCCT | ON SC |) I I E | RCE FOR WHICH A | |
| | | | | | | | | | | | | | | | BE LEFT BLANK. | |
| 11. PROCESS MATERIAL INPUTS AND IN-PROCESS SOLID FUELS | | | DIAGRAM* | | | | INPUT | | T RATES | | MAXIMUM (TN/YR) | | / | / (FOR APC USE ONLY) SCC CODE | | |
| | | | | DESIGN (LBS/HR) | | | | AVE | RAGE 1 | / | | | | | | |
| | | | REFERENCE | | | | | (TN | /YR) | - /, | | | SCC CODE | | | |
| | A. | | | | | | | | | | | | | / | | |
| | B. | | | | | | | | | | | | | / | | |
| | | | | | | | | | | | | | | / | | |
| | C. | | \Box | | | | | | | | | | | / | | |
| | | | | | | 1 | | | | | | | | | | |
| | | | | TOTALS | | | | | | | | | 7 | | | |
| 12. METHOD DIRECT FIRED: | | | D: | INDII | RECT FIRE |): | ELECTRIC: | | | STEAM: | | | OTHE | THER (SPECIFY): | | |
| | OF | | | | | | | | | | | | | | | |
| 12 | HEATING EXHAUST | | <u> </u> | | | | <u> </u> | | | | | Ι | | | av pem v ep | |
| 13. | CONTROL | NONE: | DIRECT FL | LAME AFTERBURNER: | | CATALYTIC A | | C AFT | FTERBURNER: | | | OTHER (ATTACH DETAILED DESCRIPTION): | | | | |
| 14. | EXHAUST | HEIGHT ABOVE | | DIAMETER (FT): | | `): | | TEMPERATURE (| | : | DIRECTION OF | | EXIT | | DISTANCE TO NEAREST | |
| | STACK GRADE | | | | | | | | | (UP, DOWN, | | | | | PROPERTY | |
| | DATA ** (FT): | | AT \ /Em3/Astron | 1 | Tymy commit | | MO | TOTALINE | | OR HORIZ): | | GE. | | | LINE (FT): | |
| | DATA AT FLOW (ACTUAL) (FT ³ /MIN EXIT | | AL) (FT /MIN): | | | | | MOISTURE (GRAINS/FT ³) | | MOISTURE (PERCENT): | | | SPECIFY OTHER EQUIPMENT THAT SHARES THIS VENT*: | | | |
| | CONDITION | | | [1,520). | | (31. | | | | | | | | | · · · · - · · | |

^{*} A SIMPLE FLOW DIAGRAM MUST BE ATTACHED.

 $^{** \}quad \text{IF OVEN HAS MORE THAN ONE VENT OR STACK, SUBMIT AN EMISSION POINT DESCRIPTION FORM (APC 2-03) FOR EACH ADDITIONAL VENT OR STACK.}\\$

| THEM 16 SHOULD BE COMPLETED ONLY FOR DIRECT OR INDIRECT HEATED OVENS, LEAVE BLANK FOR ELECTRIC OR STEAM HEATED OVENS. FOUR PRIMARY FUEL TYPE (SPECIFY): STANDBY FUEL TYPE(S) (SPECIFY): STANDBY FUEL TYPE(S): STANDBY FUEL TYPE(S): STANDBY FUEL TYPE(S): STANDBY FUEL | 15. WHAT OTHER EQ (SPECIFY AND LIST COR | | | | | CONJUNCTIO | ON WITH THIS | S OVEN? | | | | | |
|--|--|-----------------------------------|-------------------|-------------------|---------------------------------|-------------|---------------------------|-------------|------------|--|--|--|--|
| FUEL | | LETED ONLY F | FOR DIRECT (| OR INDIRECT HEA | TED OVENS, | LEAVE BLA | NK FOR ELEC | TRIC OR STE | AM HEATED | | | | |
| FUEL | 16. OVEN FUEL | PRIMARY FU | EL TYPE (SPI | ECIFY): | STANDBY FUEL TYPE(S) (SPECIFY): | | | | | | | | |
| R2 FUEL OIL I0 GAL: GAL: GAL: GAL: GAL: GAL: GAL: GAL: UNITS) I7. COMMENTS IF OVEN IS PART OF A PAINT, VARNISH, OR LACQUER OPERATION, ITEM 17 SHOULD BE LEFT BLANK. I8. AIR CONTAMINANTS GARBARIO (J.B.SHR) GARBARIO (J.B.SHR) PARTICULATES ## SULFUR DIOXIDE CARBON MONOXIDE PPM NITROGEN OXIDES | FUEL | | | | 1 | % ASH | VALUE OF | | | | | | |
| #2 FUEL OIL LIQUID PROPANE 10°GAL: GAL: GAL: GAL: SS.000 BTU/GAL / UNITS) 17. COMMENTS IF OVEN IS PART OF A PAINT, VARNISH, OR LACQUER OPERATION, ITEM 17 SHOULD BE LEFT BLANK. 18. AIR CONTAMINANTS (LBS/HR) (LBS/HR) CONCENTRATION (LBS/HR) (LBS/HR) FPM CARBON MONOXIDE ORGANIC COMPOUNDS PPM NITROGEN OXIDES PPM PPM PPM PPM PPM PPM PPM P | NATURAL GAS | 10 ⁶ FT ³ : | FT ³ : | FT ³ : | | | 1,000 BTU/FT ³ | / / | | | | | |
| LIQUID PROPANE OTHER (SPECIFY TYPE & UNITS) 17. COMMENTS IF OVEN IS PART OF A PAINT, VARNISH, OR LACQUER OPERATION, ITEM 17 SHOULD BE LEFT BLANK. 18. AIR AVERAGE (LBSHR) (LBSHR) (CONCENTRATION (TONSYR) (TONSYR) (TONSYR) (TONSYR) (TONSYR) PARTICULATES SULFUR DIOXIDE CARBON MONOXIDE ORGANIC COMPOUNDS NITROGEN OXIDES PPM PPM PPM PPM PPM PPM PPM P | #2 FUEL OIL | 10 ³ GAL: | GAL: | GAL: | | | | / / / | | | | | |
| 17. COMMENTS | LIQUID PROPANE | 10 ³ GAL: | GAL: | GAL: | | | | / / / | | | | | |
| IF OVEN IS PART OF A PAINT, VARNISH, OR LACQUER OPERATION, ITEM 17 SHOULD BE LEFT BLANK. 18. AIR CONTAMINANTS PARTICULATES SULFUR DIOXIDE CARBON MONOXIDE ORGANIC COMPOUNDS NITROGEN OXIDES PPM PPM PPM PPM PPM PPM PPM P | | | | | | | | // | | | | | |
| 18. AIR CONTAMINANTS AVERAGE (LBS/HR) MAXIMUM (LBS/HR) CONCENTRATION (TONS/YR) AVERAGE (TONS/YR) MAXIMUM (TONS/YR) EMISSIONS* ESTIMATION METHOD CONTROL EFFICIENCY % PARTICULATES ** Image: Control (TONS/YR) Image: Control (TONS/YR)< | 17. COMMENTS | | | | | | | | | | | | |
| 18. AIR CONTAMINANTS AVERAGE (LBS/HR) MAXIMUM (LBS/HR) CONCENTRATION (TONS/YR) AVERAGE (TONS/YR) MAXIMUM (TONS/YR) EMISSIONS* ESTIMATION METHOD CONTROL EFFICIENCY % PARTICULATES ** Image: Control Co | IF OVEN IS BART OF A BAR | UT. WADNIGH | | ODER ATION (FEE) | A 17 SHOULD | NEL FETT DI | ANW | | | | | | |
| CONTAMINANTS AVERAGE (LBS/HR) (LBS/HR) CONCENTRATION (LBS/HR) CONCENTRATION (TONS/YR) CON | | | | OPERATION, ITEM | | | 1 | <u> </u> | CONTROL | | | | |
| PARTICULATES SULFUR DIOXIDE PPM PPM CARBON MONOXIDE PPM ORGANIC COMPOUNDS PPM PPM NITROGEN OXIDES PPM PPM PPM PPM PPM PPM PPM P | | | | CONCENTRATION | | | ESTIMATION | | EFFICIENCY | | | | |
| SULFUR DIOXIDE CARBON MONOXIDE PPM ORGANIC COMPOUNDS PPM NITROGEN OXIDES FLUORIDES PPM PPM PPM PPM PPM PPM PPM P | PARTICULATES | | | ** | | | | | | | | | |
| CARBON MONOXIDE ORGANIC COMPOUNDS PPM NITROGEN OXIDES FLUORIDES PPM PPM PPM PPM PPM PPM PPM P | SULFUR DIOXIDE | | | PPM | | | | | | | | | |
| ORGANIC COMPOUNDS NITROGEN OXIDES FLUORIDES PPM PPM PDM PDM PDM PDM PDM PD | CARBON MONOXIDE | | | PPM | | | | | | | | | |
| NITROGEN OXIDES FLUORIDES | ORGANIC COMPOUNDS | | | PPM | | | | | | | | | |
| | NITROGEN OXIDES | | | PPM | | | | | | | | | |
| OTHER (SPECIFY) | FLUORIDES | | | | | | | | | | | | |
| | OTHER (SPECIFY) | | | | | | | | | | | | |

^{*} REFER TO THE BACK OF THE PERMIT APPLICATION FORM FOR ESTIMATION METHOD AND CONTROL DEVICE CODES. ** EXIT GAS PARTICULATE CONCENTRATION UNITS: GRAINS/DRY STANDARD FT³ (70?F).